

SOV/165-58-6-19/24

AUTHOR: Sukhinin, A.N.

TITLE: The Snowfall in Badkhyz in the Spring of 1955 and Its Influence Upon  
the Increase of Some Bird Species

PERIODICAL: Izvestiya Akademii nauk Turkmenskoy SSR, 1958, Nr 6, pp 107-110  
(USSR)

ABSTRACT: For the first time in 20 years the snowfall formed a snow cover in  
the Badkhyz Reservation on April 12, 1955. This was a very unusual  
natural occurrence for this season, which, together with a negative  
temperature, lasted 9 to 10 hours. In the nests of seven sparrow-  
like bird species a mortality rate of the fledglings of from 14 to  
100% was observed, due to it, whereas with the medium-sized and large  
predatory birds the fledglings survived without any mentionable harm.  
Among the former, the mortality rate reached 83% where the nesting  
structures were open and only 33% where they were closed, whereby,  
in these latter structures, even 1 to 3 day old fledglings were able

Card 1/2

TASHLIYEV, A.O.; SUKHININ, A.N.; BEL'SKAYA, G.S.

Wintering of the red-throated pipit in Turkmenistan. Izv. AN Turk.  
SSR. Ser. biol. nauk no.2:82 '61. (MIRA 14:7)

1. Institut zoologii i parazitologii AN Turkmeneskoy SSR.  
(ASHKhabad REGION—PIPITS)

SUKHININ, A.N.

Feeding of the saker (*Falco cherrug coatsi* Dementiev) in Badkhyz  
(southeastern Turkmenistan). Izv. AN Turk. SSR. Ser. biol. nauk no.2:  
82-84 '61.  
(MIRA 14:7)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.  
(BADKHYZ--FALCONS) (BIRDS--FOOD)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

TASHLIYEV, A.O.; SUKHININ, A.N.; BEL'SKAYA, G.S.

Winter fauna of birds of lakes of the Kelifskiy Uzboy region.  
Izv. AN Turk. SSR. Ser. biol. nauk no.2:88-92 '64.  
(MIRA 17:6)  
1. Institut zoologii i parazitologii AN Turkmeneskoy SSR.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

... 1964, no. 1, 1964, N. A. N.

New data on the occurrence of some birds in Turkmenia.  
Izv. AN Turke, SSR, Ser. biol., nauk no.1:83-86 '64.

(MJRA 17 9)

... Institut zoologii i parazitologii AN Turkmeneskoy SSR.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

1. TURK, A.S., MIRZAEV, A.G.

Avifauna of Kizil-Khana Reservoir and its banks in fall. Izv.  
AN Turk. SSR. Ser. Biol. nauch. red. 2151-56 '65. (MIRA 12.5)

1. Institut zoologii i parazitologii AN Turkmeneskoy SSR.

MAL'ISKAYA, I.S.; SUMMENIN, A.N.

New occurrence of the Afghan sparrow *Pyrrhilaria thraupoides* N.  
in Turkmenia. Izv. Akad. Nauk SSR. Ser. biol. nauk no.3:85-87  
(NIIA 18:2)

1. Institut zoologii i parazitologii AS Turkmenskoy SSR.

TASHLIYEV, A.O.; SURIBAEV, A.M.; KEL'UKAYEV, G.S.

Characteristics of the bird population in some districts of western  
Kopetdag. Izv.AN Turk.SSR.Ser.biol.nauk no.4:45-50 '65. (MIRA 18:9)

1. Institut zoologii i parazitologii AN Turkmeneskoy SSR.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUKHMIN, D. T.

"Achievements and Tasks of Innovators," Russ. Prom., 25, No. 3, 1948.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

STOLPER, Ye B., inzh.; ALIFANOV, P.F., inzh.; SPEKTOR, O.Sh., inzh.;  
SUKHININ, G.K., inzh.

Oxygen-flux cutting of stainless steel risers. Svar. prcizv.  
(MIRA 17:12)  
no.9:32-33 S '64.

1. Moskovskiy zavod "Serp i molot" (for Stolper, Alifanov).
2. Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy  
obrabotki metallov (for Spektor, Sukhinin).

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

REZNIK, V.I., inzh.; YEREMIN, I.Ya., inzh.; SUKHININ, I.A., inzh.

Slag removal systems for boilers operating on Baltic shales.  
Energomashinostroenie 9 no.10:8-10 0 '63. (MIRA 16:10)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUKHINA, I.A., kandid. tekhn. nauk, dotsent

A method for solving technical problems in parallel projections.  
Izv. vys. ucheb. zav.; mashinostr. no.8:5-9 '65. (MIRA 18:10)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

USSR / Diffusion. Sintering.

E-6

Abs JOur : Ref Zhur - Fizika, No 4, 1957, No 9342

Author : Pines, B.Ya., Sukhinin, N.I.

Title : Certain Laws of Mechanical Strength in Bodies Produced  
by Sintering Powdered Metals.

Orig Pub : Zh. tekhn. fiziki, 1956, 26, № 9, 2076 - 2085

Abstract : The breaking strength  $p$  of single-component metal-ceramic specimens of plastic metals (for example, those made of pure copper powder), obtained by isothermal sintering at different durations, diminishes almost linearly with the increasing porosity. The value of  $p$  is not determined uniquely by the porosity, but depends also on the annealing temperature. When the annealing temperature is sufficiently high ( $1,000^{\circ}$  in the case of copper), the values of  $p$  extrapolated to zero porosity agree with the tensile strength of cast specimens. In the case of binary mixtures

Card : 1/2

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

USSR / Diffusion. Sintering.

E-6

Abs Jour : Ref Zhur - Fizika, № 4, 1957, № 9341

Author : Pines, B. Ya., Sukhinin, N.I.

Title : On the Sintering of Multiphase Bodies. II. The Sintering  
of Compressed Powder Mixtures. Contraction as a Function  
of Concentration.

Orig Pub : Zh. tekhn. fiziki, 1956, 26, № 9, 2100 - 2107.

Abstract : The shrinkage  $\eta$  upon sintering of a compressed mixture of  
powders is non-additive and in the case of random distribu-  
tion of grains of the components, the shrinking depends on  
the bulk concentration  $\varepsilon$  in accordance with the formula:  
$$\eta = \eta_1(1-\varepsilon)^2 + \eta_2\varepsilon^2 + \eta_{12}\varepsilon(1-\varepsilon),$$
  
where  $\eta_1$  and  $\eta_2$  are the values of the shrinkage (in sintering  
under the same conditions) of the pure components, and  $\eta_{12}$   
is a constant characterizing the relative reduction in the  
distance between the centers of grains of different mate-

Card : 1/2

"APPROVED FOR RELEASE: 07/13/2001

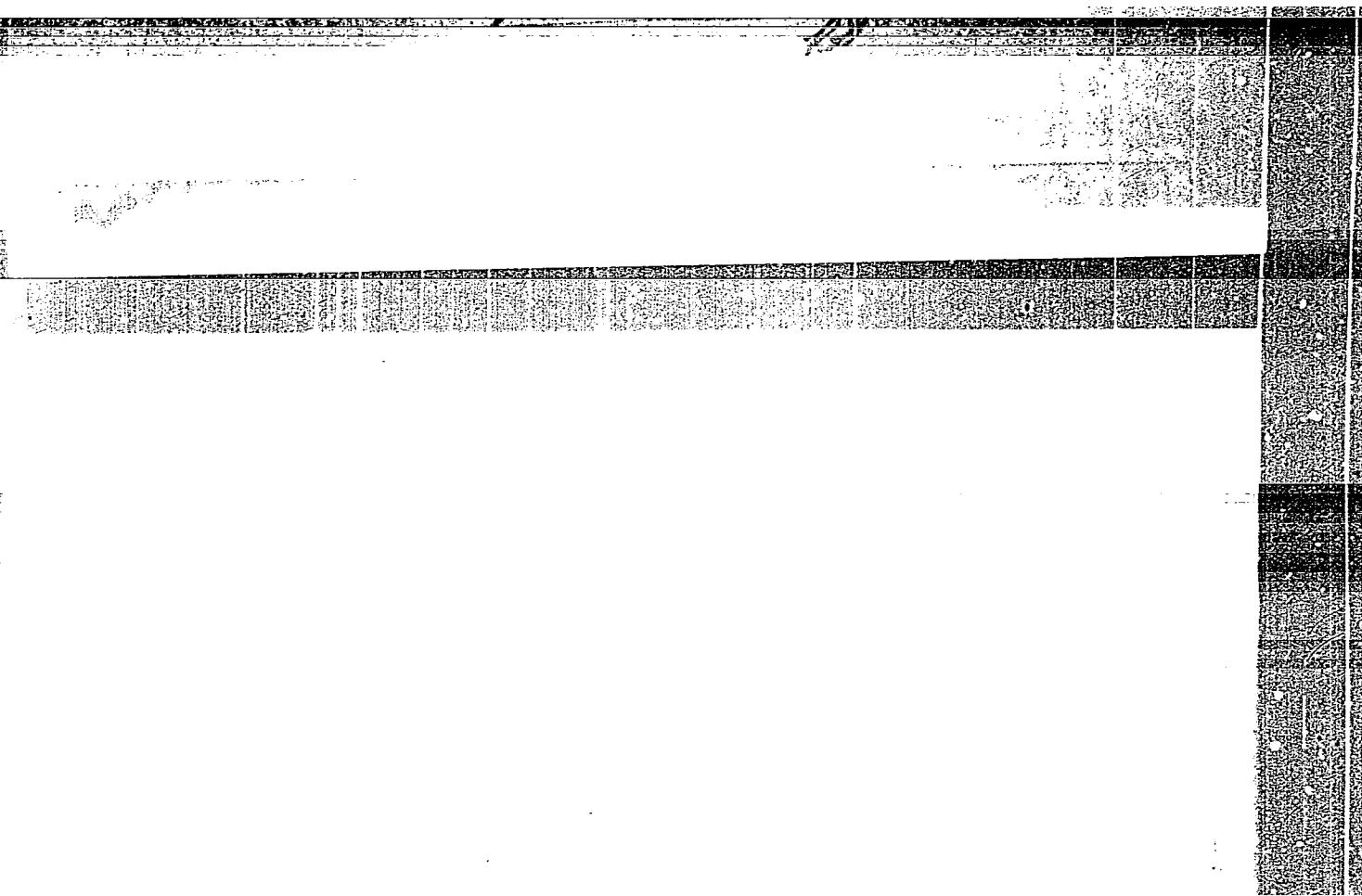
CIA-RDP86-00513R001653810018-8

APPROVED FOR RELEASE: 07/13/2001

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CIA-RDP86-00513R001653810018-8



APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

AUTHORS  
TITLE

Pines, B.Ya. Sirenko, A.F. Sukhinin N.I. 57-8-32/36  
Sintering of Non-Single-Phase Bodies. III. Sintering of  
Mixtures Containing Low-melting Components.  
(Spekaniye neodnofaznykh tel. III. Spekaniye smesey,  
soderzhashchikh legkoplavkiye komponenty.)  
Zhurnal Tekhn. Fiz., 1957, Vol. 27, Nr 8, pp. 1893-1903  
(USSR)

PERIODICAL

ABSTRACT

The authors show that the contraction of pressed material of a single-component (copper-)powder essentially depends on the initial porosity caused by the pressure of compression, or more exactly by the presence of the closed gas-filled pores. With the increase of pressure the contraction magnitude becomes smaller and furtheron its sign changes, i.e. the contraction is replaced by an "increase", the measurements of the pressed material becoming greater after sintering. The dependence of contraction on the pressure increases and becomes more complicated in the case of the sintering of powder-mixtures of copper with lowmelting additions of Pb, Sn, Bi, Cd. The additions promote the formation of closed pores which can lead to an "anomalous" decrease of contraction and also to "increase". The comparing investigations in vacuum and gas at atmospheric pressure, as well as an investigation of the sintering of

CARD 1/2

Some Regularities of Mechanical Strength of Bodies Prepared by Sintering  
of Metal Powders. III. The Case of Powder Mixtures Containing Low-melting  
Components.

57-8-33/36

piled powders. Of the low melting components only Sn increases the strength of the Cu-samples at room temperature. All others reduce strength.  
(with 13 illustrations and 4 Slavic references)

ASSOCIATION: Khar'kov State University im. A. M. Gor'kiy.  
(Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo.)

SUBMITTED: September 28, 1956  
AVAILABLE: Library of Congress.

CARD 2/2

SOV/79-28-8-16/66

Investigations on Compounds Containing Oxygen in a Three-Membered Ring.  
XXII. The Decomposition Reactions of the Esters of Glycidic Acid With  
 $\alpha$ - and  $\beta$ -Naphthylamines

amines were chosen because they are very different from one another in terms of the volume occupied at the amino group and because there are good possibilities for the highly reactive amines to form bonds with the other substances present. The most suitable amines for this purpose were the  $\alpha$ - and  $\beta$ -naphthylamines. These amines were reacted with the series of esters of glycidic acid, and it was found that the  $\alpha$ -form was less reactive. It was found that in reacting with the ester of  $\beta,\beta$ -dimethyl glycidic acid the  $\beta$ -naphthylamine opened its oxygen ring on the side of the  $\beta$ -carbon atom. The product of this reaction could be converted to the corresponding indol using sulfuric acid. A mixture of two isomers resulted from the decomposition reaction of  $\alpha$ -naphthylamine with the ethyl esters of  $\beta,\beta$ -dimethyl and  $\beta,\beta$ -tetramethyl glycidic acids. In this case the oxygen ring opened from the side of both the  $\alpha$ - and the  $\beta$ -carbon. There are 9 references, which are Soviet.

Card 2/3

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUKHININ, Pavel Leonidovich, professor; SUMAROKOV, A.V., redaktor;  
YEVDOKIMOV, Z.N., tekhnicheskiy redaktor

[Endocarditis in the puerperal period; clinical aspects, diagnosis,  
therapy, and prophylaxis] Endokardit puerperal'nogo perioda;  
klinika, diagnostika, terapiia i profilaktika. Moskva, Gos. izd-vo  
med. lit-ry, 1956, 193 p.  
(ENDOCARDITIS) (PUERPERIUM)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

SUKHININ, P.L., prof.

Diagnosis and prognosis in different forms of acute coronary insufficiency. Vrach.delo no.5:467-469 My '58 (MIRA 11:7)

1. Terapeuticheskaya kliniki (zav. - prof. P.L. Sukhinin)  
Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi im. Sklifosovskogo.  
(CORONARY ARTERIES--DISEASES)

SUKHININ, P.L., prof., CHUCHKALOV, V.P., kand.med.nauk

Use of aminazine in a therapeutic clinic. Sov.med. 22 no.10:  
100-102 O '58  
(MIRA 11:11)

1. Iz terapevticheskoy kliniki (nauchnyy rukovoditel' prof.  
P.L. Sukhinin) Instituta imeni N.V. Sklifosovskogo (dir. M.M.  
Tarasov).

(CHLORPROMAZINE, ther. use  
in internal dis. (Rus))

BURCHINSKIY, G.I., prof.; BEYUL, Ye.A., kand. med. nauk;  
VASILENKO, V.Kh., prof.; GUKASYAN, A.G., zasl. deyatel'  
nauki, prof.; KARNAUKHOV, V.K., kand. med. nauk;  
GUBERGRITS, A.Ya., prof.; LORIYE, I.F., prof.;  
MEN'SHIKOV, F.K., prof.; PLOTNIKOV, N.N., prof.;  
RABUKHINA, N.A., kand. med. nauk; RADBIL', O.S., prof.;  
RYSS, S.M., prof.; SAL'MAN, M.M., kand. med. nauk;  
SUKHININ, P.L., prof.; STEPANOV, P.N., prof.; FUNT, I.M.,  
prof.; SHLAGUROV, A.A., prof.; TAREYEV, Ye.M., prof.,  
otv. red.:

[Multivolume manual on internal diseases] Mnogotomnoe ru-  
kovodstvo po vnutrennim bolezniam. Moskva, Meditsina.  
Vol.4. 1965. 667 p. (MI: A 18:1)

1. Deystvitel'nyy chlen AMN SSSR (for Tareyev, Vasilenko).  
2. Chlen-korrespondent AMN SSSR (for Ryss).

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUKHINOV, P.L., prof.; DVORINA, V.M.

Myocardial infarction in young patients. Trudy Inst. im.  
N.V. Sklif. 5 no.234-19 '62. (MIRA 18:6)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

SUKHININ, P.L., prof.; RUSANOV, S.A., prof.; GULYAYEV, G.V., doktor;  
BOLDINSKIY, I.I.. doktor; VILYAVIN, G.D., prof.; ZHOROV, I.S.,  
prof.; LIPSKIY, doktor; GOL'DBERG, F.I., doktor; ZHOROV, I.S., prof.;  
VOICHOK, Ye.V., doktor; MARTYNOV, A.T., doktor; CRQEDOV, D.M., prof.;  
KOTOV, I.A., doktor; SKATIN, L.I., doktor; PIKOVSKIY D.L., doktor,  
dotsent; SMIRNOVA, Ye.S., doktor; SMOL'YANNIKOV, A.V., prof.;  
UKHANOVA, N.V., doktor; PETROV, B.A., prof.

Discussions at the session. Trudy Inst. im. N.V. Sklif. 9:  
(MIRA 18:6)  
278-303 '63.

1. I gorodskaya bol'nitsa imeni Lenina, Saratov (for Skatin).
2. Kafedra gospital'noy khirurgii lechebnogo fakul'teta  
Gor'kovskogo meditsinskogo instituta (for Pikovskiy).
3. Gosudarstvennyy onkologicheskiy institut imeni Gertseva,  
Moskva (for Smirnova).

DUBININ, A. (Moskva); ANDREYEV, B. (Leningrad); ADESTOV, G. (Gor'kiy);  
PAVLOV, I. (Moskovskaya obl., st. Tsaritsyno); MENBAEV, E.  
(Leningrad); SUKHININ, V. (Moskva); ATAMANOV, N. (Moskovskaya  
obl.)

Advices of experienced people. Za rul. 20 no. 5:18-19 My '62.  
(MIRA 16:4)

(Motor vehicles)

GRINBERG, Iosif Grigor'yevich; SUKHININ, Vladimir Georgiyevich;  
SEGAL', Z.G., vedushchiy red.

[North-Ustyurt key well 1.] Severo-Ustiurtskaiia opornaia  
skvazhina 1. Leningrad, Nedra, 1965. 147 p. (Leningrad. Vses. na-  
ny neftianoi nauchno-issledovatel'skii geologorazvedochnyi  
institut. Trudy, no. 241) (MIRA 18:12)

Sukhinin V.I.

SUKHININ,V.I., kandidat tekhnicheskikh nauk

"Steel cables for hoisting and conveying machinery." D.G.Zhitkov,  
I.T.Pospekhov, Reviewed by V.I.Sukhinin. Stal' 15 no.8:766-768  
(MIRA 8:11)  
Ag '55.

1. Institut gornogo dela Akademii nauk USSR  
(Cableways) (Wire rope) (Zhitkov,D.G.) (Pospekhov,I.T.)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

BONDARENKO, A.P., inzh.; SUKHININ, V.I., kand.tekhn.nauk

Motor road-roller with frame and rollers made of reinforced  
concrete. Stroi. i dor. mash. 6 no.6:19-20 Je '61.  
(MIRA 14:7)

(Road rollers)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUKHININ, V.N.

Method of calculating stress parameters in preformed steel cables.  
Sbor. trud. Inst. gor. dela AN URSR no. 3:16-26 '56. (MLRA 9:8)  
(Wire rope--Testing) (Strains and stresses)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

KONDRASHENKO, V.K.; SUKHININ, V.N.

Use of cutting machines in tobacco processing. Izv.vys.ucheb.  
zav.; pishch.tekh. no.1:117-122 '64. (MIRA 17:4)

1. Krasnodarskiy politekhnicheskiy institut, kafedra tekhnologii  
metallov i kafedra tekhnologii mashinostroyeniya.

SOV/96-59-3-5/21

Experience in Developing the Blading for the Last Stage of a  
150-MW Turbine

stages in profiling of the blade are described. The blading was made of stainless chrome steel 1Kh13 and the stress levels conformed to its properties. The stress distribution over the length of the blade is plotted in Fig.2 and does not exceed 2,630 kg/cm<sup>2</sup>. By means of resistance strain gauges, vibration studies were made on a special experimental wheel in a vacuum chamber. A considerable number of resonant frequencies in the blading were disclosed. The blading was then de-tuned to 300 c/s, leaving four types of oscillation which are described. Various constructions were studied in order to reduce these vibrations and finally two conventional hoops of stiffening "wire" were threaded through the blading in the usual manner. Actually the "wire" consisted of tubing with an external diameter of 15 mm and a wall thickness of 2 mm. Because of the high centrifugal forces side-entry blade attachment was adopted, using serrated roots of diminishing cross-section, with six steps in the "fir tree", as drawn in Fig.3. The method of assembling the blading in the wheel is described and

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CIA-RDP86-00513R001653810018-8

ZEL'DES, N.Ya., inzh.; SUKHININ, V.P., inzh.; SHOR, L.A., kand.fiziko-matomiticheskikh nauk

Initial bending of the working blades of steam turbines.  
Energomashinostroenie 7 no.8:39-41 Ag '61. (MIRA 14:10)  
(Steam turbines)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

SUKHIMINA, G.P.

Comparative evaluation of the sensitivity of lake and grass frogs  
to cardiac preparations introduced into the heart. Farm. i tcks.  
25 no.1:69-71 Ja-F '62. (MIRA 15:4)

1. Laboratoriya biologicheskogo kontrolya (rukoveditel' - starshiy  
nauchnyy sotrudnik Yu.I. Syrneva) Vsesoyuznogo nauchno-issledovatel'skogo  
khimiko-farmatsevticheskogo instituta imeni Ordzhonikidze.  
(CARDIAC GLYCOSIDES)

SYRNEVA, Yu.I.; SUKHNINA, G.P.

Data on a comparative test of crystalline convallatoxin and  
liquid standard Convallaria on frogs. Farmakol.toksik. 26 no.3:  
323-327 My-Je'63 (MIRA 17:2)

1. Laboratoriya biologicheskogo kontrolya (rukoveditel' - kand.  
med. nauk Yu.I.Syrneva) Vsesoyuznogo nauchno-issledovatel'skogo  
khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

NADZHAROV, R.G., kand. med. наук; AGAYEV, B.A., kand. med. nauk; SUKHNINA, M.G.,  
Lavri, med. nauk; ASLANOV, T.T., nauchnyy setruidnik

Diagnosis and treatment of gastric phytobezoars. Azerb. med. zhur.  
(MIRA 18:7)  
42 no.2:41-47 F '65.

1. Iz Azerbaydzhanskogo nauchno-issledovatel'skogo instituta  
rentgenoradiologii (dir. - doktor med. nauk M.M. Alikishibekov).

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

**"APPROVED FOR RELEASE: 07/13/2001**

**CIA-RDP86-00513R001653810018-8**

SUKHININA, M. M.

"Normal and Pathological Intraorgan Fallopian Tube Blood Supply in Women."  
Cand Med Sci, First Leningrad Medical Inst, Leningrad, 1954. (RZh Biol, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

**APPROVED FOR RELEASE: 07/13/2001**

**CIA-RDP86-00513R001653810018-8"**

SUCHININA, M.M., kandidat mediteinskikh nauk.

Roentgenological characteristics of the vascular apparatus of  
the fallopian tubes. Akush. i gin. no.6:45-49 N-D '55 (MLRA 9:6)

1. Iz kafedry akusherstva i ginekologii (zav.-prof. I.I. Yakovlev)  
i kafedry normal'noy anatomii (zav.-prof. M.G. Prives) I  
Leningradskogo meditsinskogo instituta imeni I.P. Pavlov (dir.  
A.I. Ivanov)

(FALLOPIAN TUBES, blood supply  
vasc. appar.)

SUZHUKHININA, M. V.

FD-2517

USSR/Biology

Card 1/1

Pub. 17-16/20

Author

: Alov, I. A.; Pavlenko, G. Ya.; Sukhinina, M. V.

Title

: On the reflex mechanism of the regulation of cellular division

Periodical

: Byul. eksp. biol. i med. 4, 63-65, Apr 1955

Abstract

: Investigated the role of the nervous system in the regulation of cellular division. Pinched the tails of white mice, sacrificed them 1-1 1/2 hours later, then studied the rate of mitosis in the corneal epithelium and compared this rate with controls. Tables. Four references, three of them USSR (since 1940).

Institution

: Chair of Histology (Head - Dotsent I. A. Alov) of the Khabarovsk Medical Institute

Submitted

: December 10, 1954 by V. N. Chernigovskiy, Member of the Academy of Medical Sciences USSR

1. SUKHININA, V. V.
2. USSR (600)
4. Ducks
7. In a suburban state poultry farm.  
Nauka i zhizn'. No. 10. 1952.
  
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

LYUBARSKIJ, Ya.Yu.; SUKHININA, Ye.L.; SAMKOVA, I.N.[deceased];

[Manual on medical bibliography] Rukovodstvo po meditsinskoi bibliografii. Moskva, Meditsina, 1965. 191 p.

(MIRA 18:7)

l. Moscow. Gosudarstvennaya nauchnaya meditsinskaya biblioteka.

ACC NR: AT7004010

shown that the compressibility of sea water at the surface is increased considerably by air bubbles. Equations of motion are derived for a plate and a wedge during the immersion process. These formulas may be used for calculating the hydrodynamic load acting on the hull of a ship with impact between the bottom and an oncoming wave (slamming). Orig. art. has: 41 formulas.

SUB CODE: 20, 13/ SUBM DATE: None/ ORIG REF: 004/ OFH REF: 002

Card 2/2

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUKHISHVILI, E.V.

Short climatological description of the Samgora steppes. Trudy Tbil.  
MIGMI no.2:204-211 '57. (MIRA 11:4)  
(Samgora=Climate)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

SUKHISHVILLI, E.

SOY/50-59-2-24/25

5(7)

AUTHOR:

Khataladze, G. M.  
Scientific Meeting at the Tbilisi Scientific Research Institute  
of Hydro meteorology (Mustavave Sesava v Tbilisekun nauchno-  
issledovatel'stvo gidrometeorologicheskoe institut)

TITLE: Meteorology i gidrologiya, 1959, Nr. 2, pp. 70 - 71 (USSR)

PERIODICAL:

ABSTRACT: In May 1958 the Tbilisi nauchno-issledovatel'stvo gidrometeorologicheskoye nauchno-issledovatel'stvo gidrometeorologicheskoye institut (Tbilisi Hydro-meteorological Scientific Research Institute) held a meeting in which the following representatives participated: Representatives of the Tbilisi hydrometeorological institute (Central Forecasting Institute), Glavnaya geofizicheskaya observatory (Main Geophysical Observatory), and the local administrations of the hydro-meteorological services of the Transcaucasian Republics. On the occasion of the fifth anniversary of the Tbilisi MGGM the director of the Institute V. P. Lebedev held a speech commemorating the 25th anniversary. Dr. P. Polikarova spoke on the character of temperature distribution and the circulation of the atmosphere above the Arctic areas. K. L. Sipatvareli and Dr. A. Sapartvareli spoke on the characteristics of the

Card 1/3

circulation processes above Transcaucasia. M. A. Zakharovil reported on the typification of synoptical processes carried out by him. R. J. Polikarova read two papers on theoretical questions of dynamic meteorology. V. M. Giorginidze and V. F. Lomidze spoke on the present state of the flight against hail. P. T. Kharchilava spoke on the great amounts of precipitation on East Georgia. I. M. Bartholomew on meteorological visibility in cloud bursts. V. A. Polyakov (GGO) on the aerological visibility in the case of precipitation and fog. G. G. Chikashvili on the precipitation in Georgia in the course of 24 hours. E. Shukhvativili on the wind energy reserves of Georgia. Sh. V. Mardzhanishvili on radiation and heat balance in the alpine zone of the Caucasus. J. R. Drell on the radioactivity of the atmosphere in Tbilisi and Tbilisi. Ya. A. Tautskiridze on the albedo of different natural surfaces. Sh. G. Gatskheli (UDMS of the Grusinckaya SSR) on the ground temperature conditions in Tbilisi. V. Sh. Tomasava on the method developed by him for forecasting the number of days with ice rain. V. F. Pek-

lepe on a method for the calculation of the volume of rain water supply in floods. G. J. Pastukhava (UDMS of the Aragvi-Berdzinskaya SSR) on the use of indices of the atmospheric circulation in hydrological forecasts. The representative of the Aragvi-Berdzinskaya SSR M. V. Shaglyan reported on the characteristics of the formation of the water supply for spring floods on the rivers of Armenia. A. A. Poroyyan (UDMS of the Aragvi-Berdzinskaya SSR) pointed to the special role of the snow cover of the belt between 1800 and 2400 m in the formation of the water supply for spring floods on the rivers of Armenia. V. P. Svanidze spoke on the method of forecasting seabird anomalies. Sh. I. Tsertsvadze spoke on the periods of the operating of reservoirs in Transcaucasia. O. M. Kandekashvili (UDMS of the Aragvi-Berdzinskaya SSR) and L. A. Zhvania spoke on the microclimatic conditions of the catchment basin in the Aragvi-Berdzinskaya SSR. In all, 27 papers were read.

Card 3/3

SUKHISHVILI, E.V.

Wind power resources of Georgia; data for use in calculations.  
Trudy Tbil.NIGMI no.5:107-114 '59. (MIRA 13:6)  
(Georgia--Wind power)

SUKHISHVILLI, E.V.

Determination of calculated wind speeds in Transcaucasia.  
(MIRA 18:5)  
Trudy TbilNIGMI no.12:43-53 '63.

## tion, Caucasus wind pattern

**tion, Caucasus wind pattern** The mountain system of Caucasus Major is characterized by substantial  
wind contrast. The mountain system of Caucasus Major is characterized by substantial  
wind contrast. The mountain system of Caucasus Major is characterized by substantial  
wind contrast. The mountain system of Caucasus Major is characterized by substantial  
wind contrast.

APPROVED FOR RELEASE: 07/13/2001

**CIA-RDP86-00513R001653810018-8"**

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

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CIA-RDP86-00513R001653810018-8"

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUMMERSVILLE, W.V.

Wind-direction regime in George's Tracy 16'W10M re.15:100-102 64,  
(MERA 18:10)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

L 29909-66 EWT(1)/FCC GM  
ACC NR: AT6006489

SOURCE CODE: UR/3061/65/000/018/0058/0074

AUTHOR: Sukhishvili, E. V.

2/  
B+1

ORG: none

TITLE: Regimen of wind velocities in Georgia

SOURCE: Tiflis. Zakavkazskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy. no. 18(24), 1965. Voprosy gidrometeorologii (Problems in hydro-meteorology), 58-74

TOPIC TAGS: wind velocity, wind direction

ABSTRACT: Data from 120 meteorological stations in Georgia (collected between 1936-1960) are utilized for the evaluation of fundamental laws governing the distribution of wind velocities in Georgia. The mean yearly, monthly, and daily wind velocities, and their probabilities were evaluated and tabulated for various areas. The directions of strong winds and their duration were also investigated. The data show that 1) the wind velocities and their directions are strongly affected by topographical features, with mean yearly velocities from 0.4 m/sec to 4.6 m/sec; 2) the mean

Card 1/2

UDC: 551.582

L 29909-66

ACC NR: AT6006489

monthly wind velocities vary from 0.2 m/sec to 10.1 m/sec; 3) the maximum mean daily velocities are observed during the second half of the day and at sundown, with the maximum velocities occurring during the warm season of the year; 4) winds 0-2 m/sec have the greatest probability, also some areas have the probabilities of 1.0-7.0%, 0.9-2.3%, and 2% for wind velocities of 12-14 m/sec, 15-17 m/sec, and over 18 m/sec, respectively; 5) winds over 16 m/sec are confined chiefly to the Eastern and Western of Georgia. Orig. art. has: 9 tables and 3 figures.

SUB CODE: Q4 SUBM DATE: 22Jun65/ ORIG REF: 006/ OTH REF: 000

Card 2/2 (1)

SUKHISHVILI, YE. I.

Nachapashvili, A. A. and Sukhishvili, Ye. I.  
"Determining the moisture in cotton-seed(gymnospermae) and oil  
cakes by refractory method," Tsvet Tbilisi, gos. nauch. in-ta im.  
Tarkhina, vol. V. 1947, p. 65-70 - Resumee in Georgian language.

CC: U-264, 10 April 1953, (Istoriia 'Zhurnal 'nykh Statey, No. 3, 1949)

SUKHJI TEKAYS, YU.M.; B. V. VOROBYEV.

Methodology of the quantitative analysis of drug mixtures. Ipc.  
derno 12 no.2871477. Moscow 1986. (XERA 1737)

Д. В. Воробьев, Ю. М. Сухицкий. Методика количественного анализа смесей наркотиков. Технология изучения физико-химических свойств наркотиков. Том 1. М., 1986. (XERA 1737)

SUKHITSKIY, A.

In the interest of consumers, in the interest of the economy.  
Obshchestv.pit. no.9:27-28 S '63. (MIRA 16:12)

1. Nachal'nik otdela obshchestvennogo pitaniya L'vovskogo  
oblastnogo upravleniya torgovli.

SUKHIX, A. A.

P.2

SOV/774-2-15/18

25(4) 25 (5) Iyalkov, K.S.  
 AUTHOR: Soviet electrophotography (Uspechi sovetskoj elektronotekhniki i radioelektronika po voprosam elektrografii).  
 TITLE: Successes of Soviet Electrophotography (Uspechi sovetskoj elektronotekhniki i radioelektronika po voprosam elektrografii).  
 CONFERENCE: Nauchnoe sъezdovatel'stvo i kinematografii.  
 PERIODICAL: Zhurnal nauchnoj i prakticheskoy fotografiy (USSR) 1959, Vol. 4, Nr. 2, pp 149-152 (USSR)  
 ABSTRACT: This is an account of a scientific and technical conference on electrography, the first to be held in the Soviet Union and evidence in the world. It was organized by the All-Union Scientific Conference on December 16-19, 1958 by the Soviet National Economy of the Lithuanian SSR, the Council for Standardization and Metrology of the Lithuanian SSR, the Council for Standardization and Metrology of the Soviet Ministry of National Economy, the Scientific and Technical Committee on Photographic Materials and Technical Committee Lithuania-SSR (State Scientific and Technical Commission J.R. and L. Ilyalkov), Minister of Lithuania, J.R. and L. Ilyalkov, of the Council of Ministers of Lithuania, and the Scientific Research Institute of Electrographic Works (Scientific Research Institute of Electrographic Works) arranged by over 500 scientific workers. The conference was opened by the Deputy Chairman of the Council for National Economy of the Lithuanian SSR, P.A. Kul'vets, after which the director of the Institute for Electrography, I.I. Zhukovich, reviewed the state of development of electrography in the field of electrography and prospects for development in this field should be used. He stated that research in this field should be carried out along the following lines: a) a search for new photo-reactive materials with high dark resistance; b) new photo-research into the internal photoeffect; c) physical research into the photoconductor layers; d) development of photoconductor layers; e) development of the theory of the electrophotographic development. V.G. Ilyalkov (speaking also on O.G. Lipanova) gave a report in which he analyzed the development of electrography in which he analyzed the formation of electrographographic layers in JCCT light sensitivity electrographographic units. I.I. Zhukovich (speaking also for I.I. Zhukovich, V.I. Svetlyukov, V.M. Kravchenko) reported on the sensitization of a semiconductor in electrophotographic layers. V.V. Prudkin gave a report on highly sensitive electrophotographic layers and an electrographographic developing device. He also described the formation process of the latent electrophotographic image on the basis of the Zonal theory. He also described the design of an electrographographic device for determining sensitivity by the relaxation period of charge on the surface of the layer, and the circuit of an electrophotographic copying device. A. Ilyakov finished describing the latter and then spoke on the mechanics and kinetics of the development of the latent electrophotographic image in liquid developer.

Card 5/10

SOV/77-4-2-15/18

**Successes of Soviet Electrophotography: A Scientific and Technical Conference on Questions of Electrophotography**

K.N. Vinogradov described some of the features of the cascade and liquid methods of electrophotographic development. Yurie Karpushko devoted his report to the creation of light sensitivity of the electrophotographic process. After the reports, a discussion took place on methods of determining the light sensitivity of electrophotographic layers. N.M. Chernyshov spoke on the prospects of developing polymeric processes using electric and magnetic forces. O.V. Grigorov (speaking also for I.I. Zhalevich, A.A. Sloboda, V.A. Gordiyeva, Puzha and Yu.L. Kostyleva) reported on the development of electrophotographic processes for reproducing documents. N.M. Pashka (speaking also for L.V. Zhilinskaya, G.S. Solntsev, M.V. Gal'perina and N.M. Ruchkina) reported on the use of electrographic methods in recording oscillographs and other recording instruments.

V.I. Yurkevich (speaking also for L.N. Falin) spoke on the possibility of electrophotographically recording images from electron-beam tubes. I.G. Korob (speaking also for N.N. Markovich, T.I. Koniolevskaya, B.I. Kulinushev, N.K. Knyazeva, I.P. Millerova and E.I. Monchikova) gave a detailed description of laboratory and industrial methods of producing photoelectroconductor papers (zinc oxide was used). Dan Shul'kin (speaking also for I.I. Zaitsev, O.V. Gromov, V.V. Gordiyev, N.I. Zel'dov and N.N. Gen) described a laboratory and industrial machine for producing photoconducting paper. F.I. Chishikina (speaking also for A.A. Gerasimov) reported on a method of examining electrophotographic materials using an a/c bridge. G.I. Khokhlov (speaking also for A.I. Gidzen and I.G. Shil'ferkina) spoke on developing methods for electrophotography and color photolithography, including development of a reverse ZnS-G.

N.M. Ruchkina (speaking also for N.N. Gerasimov)

described methods for measuring the potentials of electrophotographic layers, stressing that the auxiliary electrode should not be placed above a layer with variable potential, as this causes self-discharge. L.V. Arduov (speaking also for R.J. Orlitsky, V.O. Osipov and Ie. S. Kheyets) spoke on the practice of producing vel-

veteen papers in an electrostatic field, and showed samples produced by the Grishchakya paper factory.

Ye.I. Remikovskiy then gave a historical review of the development of electrographic methods and their tribute to the work of the Scientific Research Institute of Electrophotography in Vilnius and the Institut Poligraficheskogo Edusheniya (Polygraphic Publishing Institute) in Leningrad. Lectures were then held

Card 6/10

on methods of measuring the potential of charged photographic layers, the vibration pick-up most used was shown in B.I. Tikhonov's report. To be more accurate, S.G. Grenishin stated that the influence of the oscillating electrode on the illuminated film up is connected to it by a shielded cable. In the article on Z.L. Kozlovsky's report, it was stated that the research of Academician A.A. Terenin and V.P. Putserko should be considered as the basis of all work on electrophotographic papers which were done as they were the first to show the possibility of optical sensitization or the internal photo-effect in optical sensitized materials. There was also a report on the dependence of charges by a corona discharge. A.I. Ermakova and N.P. Yemul reviewed some of the reports of the experiments of the researchers of the USSR on the use of electrographic methods in RadioGraphy. L.I. Trunko (Speaker) also from L.I. Zhil'chenko, I.V. Flavin, Yu.K. Vashchenko and Yu. Khokhlov (Speaker) reported on relaxation processes in semiconductor layers, using a vibration meter. Yu.M. Shchukina gave a report on research on electrical properties of the polycrystalline layers of selenium cadmium. L.P. Mikalyavichus spoke on one of the photoelectric properties of Sb<sub>2</sub>S<sub>3</sub> and Sb<sub>2</sub>Se<sub>3</sub>; the absorption maximum of the latter is about 900 Å. B.M. Neysov reported on methods of obtaining a selenium light-sensitive layers, including selenium metal treatment; it was also found that the sensitivity of the layers increased after storage for 1.5 to 2 months at room temperature. P.W. Pol'shikin (Speaker also for S.G. Grenishin) spoke on research into the electrical properties of electrophotographic layers of semiphosphorus selenium and powdered zinc oxide. M.K. Shlikov (Speaker also for A.I. Naumov) discussed the production of selenium layers and some of their properties. Finally the following reports on ferromagnetic photography were delivered: 1) A.N. Kazachkova, "Electrodeposition of Ni-Cr-Al alloys with Given Magnetic Characteristics"; 2) N.I. Trutyanov, "Visualizations of Magnetic Oscillating Layers by the Ferromagnetic Method"; 3) V.P. Pavlyuk, "Ferromagnetic Recording of Pseudomagnetic Images"; 4) V.I. Shchelkovich, I.V. Gribis, Ye. Burchek, I.I. Neslue, A.F. Shchukin, "Work Experience in High Pressure Ferromagnetic Printing". There was also an exhibition showing the work of the Electrographic Institute. The most important conclusion of the conference was that a solid approach had been made to the possibility of wide technical use of electrography. It was considered that all basic methods in this field actually started only in 1955-56. It has been noted that all previous work in the U.S. in 10 years, while admitting that it was easier to reproduce results already achieved, than to be the first to arrive at them, the conference observed that the Americans took good care that no important information appeared in the literature available.

SUKHIY, G.

Orders for textile fabrics. Sov. torg. 35 no.3:15-18 Mr '62.  
(MIRA 15:3)

1. Upravlyayushchiy Belorusskoy respublikanskoy kontoroy  
Beltekstil'torg, g. Minsk.  
(Textile fabrics)

BOLOTINA, O.T.; SUKHIY, P.A.

Study of the Moscow sewer system. Gor.khoz.Mosk. 36 no.8:31-33  
Ag '62. (Moscow—Sewerage) (MIRA 16:1)

L 27615-66 EWT(m)/EWA(d)/EWP(t)/ETI  
ACC NR: AP6018478

IJP(c) JD

SOURCE CODE: UR/0133/66/000/003/0219/0223

40

AUTHOR: Nosov, V. A. (Engineer); Ishphuk, N. Ya. (Candidate of technical sciences);  
Isupov, V. F. (Engineer); Prokhorenko, K. K. (Candidate of technical sciences);  
Sukhman, L. Ia. (Engineer); Glagol'nikov, V. V. (Engineer); Solyanikov, B. O. (Engineer)

ORG: Metallurgical Combine im. A.K. Serov (Metallurgicheskiy kombinat); Institute of  
Casting Problems, AN SSSR (Institut problem lit'iya AN SSSR)

TITLE: Pouring steel under molten slag produced by combustion of an exothermic  
mixture

SOURCE: Stal', no. 3, 1966, 219-223

TOPIC TAGS: cast steel, slag, metal pipe/38KhMyA cast steel, 12Kh1MF cast steel,  
20P cast steel, 15 GS cast steel, 38KhA cast steel, 38KhS cast steel, 40-45 KhN cast  
steel, ShKh15 cast steel, 35KhGSA cast steel, 55S2 cast steel, 60S2 cast steel,  
38KhGS cast steel

ABSTRACT: The paper is a report on a method developed in 1962 at the Metal-  
lurgical Combine imeni A. K. Serov for pouring steel under molten slag produced  
directly in the molds by combustion of an exothermic mixture. The first type  
of steel cast by this method was 38KhMyA. The method is presently being used  
for pouring the following types of steel: 12Kh1MF, 20P, 15GS, 38KhA, 38KhS,  
40-45KhN, ShKh15, 35KhGSA, 55S2, 60S2, and 38KhGS. The exothermic mixture has  
the following composition (wt %): magnesium powder — 2.5; aluminum powder —

UDC: 669.18.046.558.7

Card 1/2

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

YEFREMOV, Georgiy Vladimirovich; SUKHNEV, A.I., retsentent; FROLOV, B.G.,  
redaktor; EBELIN, K.Z., redaktor izdatel'stva; KRASNAYA, A.K.,  
tekhnicheskiy redaktor

[Manual for ship's carpenters] Uchebnik dlja sudovogo plotnika.  
Izd. 2-oe, perer. i dop. Moskva, Izd-vo "Tekhnol. transport,"  
1956. 251 p.  
(Shipbuilding) (Ships, Wooden)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

GLAZUNOV, Sergey Ivanovich; SIKHODIV, A.I., retsenzent; SLEMENKOV, P.P.,  
retsenzent; NIKIFOROV, N.M., red.; ALEKSEYEV, V.I., red. izd-va;  
YERMAKOVA, T.T., tekhn. red.

[Boatwains and seamen's manual for river passenger and freight  
vessels] Posobie botsmamu i matrosu gruzo-passazhirskogo rechnogo  
sudna. Mokva, Izd-vo "Rechnoi transport," 1958. 143 p.  
(Ships) (MIRA 11:9)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUKHNEV, G.S.; AMIRKHANOV, L.S.

Modification of some units of the AGKS-55/59 gas logging station. Razved.  
geofiz. no.1;75-79 '64. (MIRA 18:7)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

SUKHNEV, G.S.

Nomograms for the determination of the hoisting time of drilling  
fluid in an annular space. Geofiz.razv. no.13:146-149 '63.  
(MIRA 17:4)

S/179/61/000/006/011/011  
E032/E514

AUTHORS: Zhukova, L.A., Kolokolova, N.A. and Sukhnev, V.A.  
(Moscow)

TITLE: Measurement of small pressure differences in rarefied gases

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye, no.6, 1961, 174-177

TEXT: This paper is concerned with the selection of manometers and manometric fluids for the measurement of small pressure differences in rarefied gases. The particular type of manometers which is considered by the present authors is the U-tube manometers of the two-liquid type with either one or two separation surfaces and a reservoir in each limb. A brief survey is given of the published Soviet literature on this subject, together with an account of some versions of the U-tube manometer used by the authors. In the latter work they have made a detailed study of manometers filled with combinations of ethers of the meta-phenyl-diacetic acid and polyorganosiloxane liquids. In this Card 1/2

KAZNACHEYEV, V.P. (Moskva); SUKHNEV, V.A. (Moskva)

Using high-sensitive singl-component torsion balance for  
measuring minor forces in rarefied gas aerodynamics. Izv.AN  
SSSR.Otd.tekh.nauk.Mekh.i mashinostr. no.1:154-156 Ja-F '63.  
(MIRA 16:2)  
(Torsion balance)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUKHNEV, V.A.; ZHUKOVA, L.A.; IOFFE, A.E.; KOLOKOLOVA, N.A.

Two-liquid micromanometer for measuring slight pressure losses  
in rarefied gases. Izm. tekhn. no.12:17-19 D '63. (MIRA 16:12)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

UDK. 612.173.51.01: V. A. KONDOV, N. A.; SUKHNEV, V. A.

Investigating new liquids for liquid-column manometers used  
in measuring pressure drops in rarefied gases. Izm. tekhn.  
no. 5(17-19) My '66. (MIRA 18;6)

$$\omega_{\text{max}} = \omega_0 + (\alpha^2/\pi^2 P^2)/(\eta - 2)$$

John J. Sander, Jr., A. M. A.

and the following list of corrections to the readings of the  
various photographs.

1964, *Revista de Investigación Mexicana de la Salud Pública*, no. 5, 1964.

supersonic flow, rarefied gas flow, low density wind tunnels.

in determining the parameters of a person's rated gas consumption, it is necessary to know the correct pressure at which the gas is to be used, and the correct size of the nozzle. These factors will affect the amount of gas used.

Card 1 / 2

SEARCHED BY: RPS-132602

possible to find a value of the nozzle diameter  $b_{cr}$  for which the flow may be considered continuous, that is, for any value of  $\lambda$  it is possible to find a value of  $b_{cr}$  which satisfies the continuity condition. This was done by means of a low-turbulence wind tunnel and corrections were determined for a large number of nozzles of various shapes. The results are shown to be in good agreement with available experimental data. Orig. art. has 1 figures.

ASSOCIATION: none

SUBMITTED: 15Oct63 ENCL: 00 SUB CODE: ME

NO REF Sov: 006 OTHER: 002 ATD PRESS: 3166

Cord 2/2

L 50217-65 EWT(1)/EMP(m)/EMP(w)/EWA(d)/ZPR/FCS(k)/EM(1) Pd-1 W/W/EM

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

Two pages of solid appendices with experiments, etc., and has 2 figures and 2 tables.

See following page

A 4

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"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

Journal of Gas Flow Measurement and Control, March/April 1997 • 11

#### **Low intensity wind**

**APPROVED FOR RELEASE: 07/13/2001**

**CIA-RDP86-00513R001653810018-8"**

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

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Card 2/2

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

3/032/60/076/012/013/036  
B020/B056

AUTHORS: Chesnokov, O. F. and Sukhevich, V. S.

TITLE: Spectroscopic Method for Determining Selenium in Pulverulent Samples

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 12, p. 1372

TEXT: The method described in the present paper for determining 0.001 to 5% Se is based upon the blowing in of air. As an excitation source for the spectrum, an a.c. power generator  $\Delta\Gamma$ -1 (DG-1) or  $\Delta\Gamma$ -2 (DG-2) was used. To increase the capacity an additional capacity of from 100-150 microfarads is introduced. The rheostats for regulating the current of the arc were completely switched off. The discharge gap of the activator had a breadth of 1.1 mm, the distance between the electrodes was 6 mm, the current of the arc was 30 to 35 a, the voltage 220 v, and the sample was subject to combustion for 2 minutes. The spectrograph ИСП-28 (ISP-28) with two connecting lenses and a slit width of 0.03 mm was used. The weighed portion was 1.6 g. In the table the analytical lines of the selenium spectrum, their sensitivity, and the concentration range are given. The spectrograms with

Card 1/2

Spectroscopic Method for Determining Selenium S/032/60/026/012/013/036  
in Pulverulent Samples B020/B056

the most sensitive analytical lines of selenium mentioned are shown in Figs. 1 and 2. As inner standard, the background near the band is used. The mean error of the spectroscopic method is 10%. The method permits carrying out about 130 determinations by two workers during one working shift. There are 2 figures, 1 table, and 1 Soviet reference.

ASSOCIATION: Kompleksnaya tematicheskaya ekspeditsiya  
Krasnoyarskogo geologicheskogo upravleniya  
(Multipurpose Thematic Expedition of the Krasnoyarsk  
Geological Administration)

Card 2/2

SUKHNEVICH, V.S.

Powerful alternating current arc for spectral analysis. Zav.lab.  
29 no.4:505-506 '63. (MIRA 16:5)

1. Krasnoyarskaya kompleksnaya laboratoriya Instituta geologii i  
geofiziki Sibirskogo otdeleniya AN SSSR.  
(Spectrum analysis) (Electric arc)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUKHNIN,A.N.; SHCHERBINA,Ye.I.

Ratel. Priroda 44 no.5:117-118 My '55. (MLRA 8:7)

1. Badkhyzskiy gosudarstvennyy zapovednik  
(Badgers)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

ZARUBA, I.I.; LASHKEVICH, R.I.; SUKHOPOKOVA, M.M.

Automatic flux welding of the front suspension cylinders of the  
"Moskvich" automobile. Avtom.svar. 6 no.5:77-82 S-0 '53.  
(MLRA 7:11)

1. Institut elektrosvarki im. Ye.O.Patona Akademii nauk USSR  
(for Zaruba and Lashkevich) 2. Zavod malolitrazhnykh avtomobiley  
(for Sukhopokova)  
(Automobiles) (Electric welding)

SUKHNEVICH, V.S.

Increase in the efficiency of the burning of samples in a power-  
ful arc of a.c. in carrying out semiquantitative analysis. Zav.  
lab. 30 no. 6704-705 '64 (MIRA 17 :8)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.

SUKHOBOKOVA, N. S.

USSR/Chemistry - Photographic Developers, Analysis Nov/Dec 51

"Amperometric Titration of Organic Developers with a Rotating Platinum Microelectrode," S. G. Begianov, N. S. Sukhobokova, Chair of Electro-chem, Leningrad State Order of Lenin University A. A. Zhdanov

"Zhur Analit Khim" Vol VI, No 6, pp 344-347

Investigated amperometric titration of hydroquinone, methanol, pyrocatechol, p-aminophenol, p-phenylenediamine in H<sub>2</sub>SO<sub>4</sub> soln with Ce(SO<sub>4</sub>)<sub>2</sub> under use of rotating Pt microelectrode.

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USSR/Chemistry - Photographic Developers, Analysis Nov/Dec 51  
(Contd)

Amperometric titration of such developers is possible even in very dil solns. Interestingly, potentiometric titration of last 3 developers with Ce(SO<sub>4</sub>)<sub>2</sub> gave unsatisfactory results.

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"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

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CIA-RDP86-00513R001653810018-8"

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8

SUKHOBOKOVA, N.S.

Amperometric determination of some organic reducing agents by means  
of potassium dichromate. Vest. LGU 15 no.16:149-150 '60.  
(MIRA 13:8)

(Reducing agents)

(Potassium dichromate)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810018-8"

REYSHAKHRIT, L.S.; SUKHOBOKOVA, N.S.

Amperometric determination of gold by certain organic reagents  
in the presence of a number of accompanying elements. Uch. zap.  
LGU no.297; 150-154 '60. (MIRA 13:11)  
(Gold—Analysis)

REYSHAKHRIT, L.S.; SUKHOBOKOVA, N.S.

Electrochemical oxidation of some organic reducing agents  
on a rotating platinum disk electrode. Part 1. Vest. LGU 18  
no.22:131-134 '63. (MIRA 17:1)

YUZHNO-SOKHOBOKOVA, N. V.

USSR/Metallurgy - Steel for Petroleum Equipment Sep 52

"Investigation of the Corrosion Resistance of EZh-1 Steel and Its Welded Joints," Ye. D. Surovtseva, N. V. Sukhobokova, Ye. M. Lapitskaya, Engineers

"Avtogen Delo" No 9, pp 8-12

Studies properties of low-carbon high-chromium steel used mainly as protective layer of clad metal and also for some parts of equipment in cracking plants. Tests specimens were kept in operating rectifying tower for one yr. Practically

232RTT

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no corrosion destruction was observed: Loss in wt amounted to 0.8% and no change in thickness was revealed. Welds made with electrodes of type 18-8 with Cr proved to be most sound joints without tendency to intercrysrt corrosion. Suggests that optimum anticorrosive properties may be attained by using electrodes of chem compn close to that of steel to be welded.

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SUKHOROKOVA, N. V., Surovtseva, E. D., and Lapitskaya, Ye. M.

"The Corrosion Resistance of Parent Metal and Welds in Low-Carbon 13 Per cent Chromium Steel" (Avto. Delo, 1952, 23, Sept., p. 4)

Type EZh-1 (low-carbon, 13 per cent chromium) steel is used in many examples of chemical and oil distillation equipment in place of an 18-8 steel. It is welded with a niobium-stabilised 18-8 type electrode, and the welds show no sign of intercrystalline corrosion (weld decay).

SUDENOKOV, V. V., SUDENOKA, Ye. D. and INFITKHA, M. M.

"Investigation of Corrosion Resistance of 2Kh16 Steel in Refining of  
Sulfurous Petroleum," one of eight articles appearing in the book: "Investiga-  
tion of the Stress Corrosion of Metals," edited by S.V. Alimov, Mashgiz,  
Moscow, 1953

Central Sci. Inst. of Technology and Machine Bldg.

Translation 1-31536, 15 Dec 55

129-58-8-4/16  
AUTHORS: Tikhomirov, A. V., Sukhobokova, N. V. and Tikhomirova, N.A.

Engineers

TITLE: Embrittlement of the Steel 20KhN14S2 During the Process  
of Ageing at 500 to 650°C (Okhrupchivaniye stali  
20KhN14S2 v protsesse stareniya pri 500-650°)

PERIODICAL: Metallovedeniye i Obrabotka Metallov, 1958, Nr 8,  
pp 22-25 + 1 plate (USSR)

ABSTRACT: Austenitic stainless steels which are used for components  
operating inside corrosive media at elevated temperature  
should be stable against inter-crystallite corrosion and  
possess sufficiently high mechanical properties during  
the entire service life. However, almost all the steels  
of this class are subjected to varying degrees of  
dispersion hardening which brings about embrittlement and  
inclination to develop inter-crystallite corrosion. The  
authors investigated the stability of the Soviet steel  
20KhN14S2 which is used as material for special power  
generation equipment; the chemical analyses of the  
experimental melts were as follows:  
No.25557 - 0.08% C, 2.35% Si, 0.93% Mn, 20.2% Cr,  
13.28% Ni, 0.013% S, 0.025% P.  
No.25622 - 0.08% C, 2.83% Si, 1.14% Mn, 21.10% Cr,  
13.24% Ni, 0.012% S, 0.022% P.

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129-58-8-4/16

Embrittlement of the Steel 20KhN14S2 During the Process of  
Ageing at 500 to 650°C

It was found that, compared with the austenised state, preliminary stabilisation only brings about a conservation of the properties during ageing at a certain level but does not influence the reduction or the increase in the degree of embrittlement. The change of the impact strength of stainless steels with a tendency to embrittlement during ageing appears to comply with a definite relation. An analogous relation (decrease of the impact strength during ageing) was found to exist for the Steel EI448 investigated at the Central Works Laboratory of the imeni S. Ordzhonikidze Works. On the basis of the obtained results the authors arrived at the following conclusions:

- 1) During ageing in the temperature range 500 to 650°C the investigated steel has a tendency to embrittlement, thus reducing the ductility and particularly the impact strength.
- 2) The greatest reduction in the impact strength at a certain temperature takes place at the initial period of ageing, i.e. during the first 200 to 300 hours. During

Card 2/3

129-58-8-4/16

Embrittlement of the Steel 20KhN14S2 During the Process of  
Ageing at 500 to 650°C

the further ageing the decrease in the impact strength is less intensive.

3) Stabilisation of the investigated steel after hardening does not influence appreciably the process of ageing. The final degree of embrittlement is practically equal in the case of hardening for obtaining austenite as well as in the case of hardening followed by stabilisation.

4) The investigated steel showed a tendency to inter-crystallite corrosion in tests carried out according to the method A-2 of the specifications GOST-6032-51.  
There are 6 figures and 1 table.

ASSOCIATION: Podol'skiy mashinostroitel'nyy zavod imeni Ordzhonikidze (Podol'sk Engineering Works imeni Ordzhonikidze)

1. Stainless steel--Hardening    2. Stainless steel--Properties

Card 3/3    3. Stainless steel--Test results

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S/104/60/CCC/006/001/004  
E193/E483

AUTHORS: Moiseyev, A.A., Candidate of Technical Sciences,  
Semenova, T.F., Engineer, Surovtseva, Ye.D., Engineer  
and Sukhobokova, N.V., Engineer

TITLE: The Effect of Heat Treatment on the Creep Resistance of  
the Austenitic Steel EI694P (EI694R)

PERIODICAL: Elektricheskiye Stantsii, 1960, No.6, pp.24-26

TEXT: Austenitic steels are being increasingly used in the construction of electrical power generating equipment and, since data on the creep properties of these materials are scarce, the present authors investigated the effect of heat treatment conditions on the creep resistance of steel EI694R, which contained (wt.%) 0.12 C, 0.41 Si, 1.53 Mn, 13.8 Cr, 15.7 Ni, 0.92 Nb, 0.019 S, 0.018 P and 0.002 B. The effect of two types of treatment only was investigated: stabilization and austenitization. The various stabilized specimens were air-cooled after (1) 10 h at 600°C; (2) 10 h at 750°C; (3) 10 h at 850°C and (4) 3 h at 900°C. Specimens subjected to the austenitization treatment were water-quenched after (5) 1 h at 1150°C or (6) 1 h at 1170°C. The results of tensile and impact tests,

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S/104/60/000/006/001/004  
E193/E483

The Effect of Heat Treatment on the Creep Resistance of the Austenitic Steel 3M694P (EI694R)

conducted on specimens under various heat treatments, were inconclusive and could not be used as a basis for the selection of the optimum heat treatment. However, the results of creep tests, carried out at 610°C under a stress of 25 kg/mm<sup>2</sup>, showed conclusively the superiority of the austenitization over the stabilization treatment. Thus, for instance, the time to rupture for the specimen subjected to treatment (2) was 663 h, whereas the specimen subjected to treatment (6) failed after 7228 h. On the basis of these results, it is recommended that when creep resistance is of primary importance, the austenitic steels should be heat-treated by heating to 1150 to 1170°C, holding at the temperature for a period, allowing 2 min for 1 mm<sup>2</sup> of the cross-section, and quenching in water. The experimental results are tabulated. There are 3 tables and 1 Soviet reference.

X

Card 2/2

SUKHOBURIS, P. YE.

Hybridization, Vegetable; Wheat

Effect of different methods of crossing upon the characteristics of Wheat  
hybrids., Agrobologia, no. 6, 1951.

SO: Monthly List of Russian Accessions, Library of Congress, May <sup>2</sup> 1951, Uncl.

SUKHOBRSU, F.Ye.; CHUGIN, P.I.

Results of two years' work. Zhivotnovodstvo 21 no.10:23-27  
O '59. (MIRA 13:2)

1. Direktor Vinnitskoy gosudarstvennoy sel'skokhozyaystvennoy  
opytnoy stantsii (for Sukhobrus), 2. Zaveduyushchiy otdelom  
zhivotnovodstva Vinnitskoy gosudarstvennoy sel'skokhozyay-  
stvennoy optytnoy stantsii (for Chugin).  
(Vinnitsa Province--Artificial insemination)

GOROBCHENKO, O.P. [Horobchenko, O.P.]; SUKHOBRUS, S.V.

Duration of fertilizers' action. Nauka i zhyttia 11 no. 4:40 Ap '61.  
(MIRA 14:5)

(Fertilizers and manures)

ZAKHARCHENKO, I. G.; PIROZHENKO, G. S.; SUKHOBRUS, S. V.

Effect of monocultural crops on soil fertility. Pochvovedenie  
(MIRA 15:10)  
no.7:10-18 J1 '62.

1. Ukrainskiy nauchno-issledovatel'skiy institut semledeliya,  
Mironovskaya optytnaya stantsiya.

(Crops and soils)

BESPYATOV, M.P., kand.tekhn.nauk; POLSTYANOY, V.I., inzh.; VITSENKO,  
I.S., inzh.; SUKHOBRUSOV, P.N., inzh.; SHVEDOV, V.K., inzh.;  
KULIK, Yu.A., inzh.

Continuous contact splitting of fats. Masl.-zhir. prom. 23  
no.9:22-23 '57. (MIRA 10:12)

1.Khar'kovskiy politekhnicheskiy institut (for Bespyatov).  
2.Khar'kovskiy mylovarennyy kombinat (for Polstyanoy, Vitsenko,  
Sukhobrusov, Shvedov, Kulik).  
(Oils and fats)